

BIOGRAPHICAL SKETCH**DO NOT EXCEED FIVE PAGES.**

NAME	POSITION TITLE		
Ronald E. Gress	Chief, Experimental Transplantation and Immunology Branch, Center for Cancer Research, National Cancer Institute Deputy Director, Center for Cancer Research, National Cancer Institute		
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Creighton University, Omaha, NE	B.S.	1968-1972	Biology
Baylor College of Medicine	M.D.	1972-1975	Medicine
The Johns Hopkins Hospital, Baltimore, MD	Intern	1975-1976	Medicine
The Johns Hopkins Hospital, Baltimore, MD	Resident	1976-1978	Medicine
The Johns Hopkins Hospital, Baltimore, MD	Fellow & Instructor	1978-1979	Oncology
Immunology Branch, NCI Bethesda, MD	Clinical Associate	1979-1981	Immunology
Immunology Branch, NCI Bethesda, MD	Investigator	1981-1982	Immunology

INSTRUCTIONS: The Biographical Sketch may not exceed five pages.

A. Positions and Honors. List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

1982-1983: Assistant Chief of Service, Barker Firm, Osler medical Service; Assistant Professor of Medicine, The Johns Hopkins Hospital, Baltimore, MD

1983-1988: Senior Investigator, Immunology Branch, National Cancer Institute, National Institutes of Health, Bethesda, MD

1988-2004: Senior Investigator, Experimental Immunology Branch, National Cancer Institute, Bethesda, MD

1991-2004: Head, Transplantation Immunology Section, Experimental Transplantation Immunology Section, National Cancer Institute, Bethesda, MD

1992-2001: Head, Transplantation Therapy Section, Medicine Branch, National Cancer Institute, Bethesda, MD

1996-2001: Chairman, Department of Experimental Transplantation and Immunology, Medicine Branch, National Cancer Institute, Bethesda, MD

2000-2001: Acting Deputy Chief, Medicine Branch, National Cancer Institute, Bethesda, MD

2000-2005: Associate Director for Medical Oncology, Center for Cancer Research, National Cancer Institute, Bethesda, MD

2001-2005: Chief, Medical Oncology Clinical Research Unit, Center for Cancer Research, National Cancer Institute, Bethesda, MD

2001- Present: Chief, Experimental Transplantation and Immunology Branch, Center for Cancer Research, National Cancer Institute, Bethesda, MD

2001- Present: Head, Transplantation Therapy Section, Experimental Transplantation and Immunology Branch, Center for Cancer research, National Cancer Institute, Bethesda, MD

2010- Present: Deputy Director, Center for Cancer Research, National Cancer Institute

Professional Memberships:

1983	Member, Protocol Review Panel, National Cancer Institute
1987	Member, SEER Medical Advisory Group, National Cancer Institute
1990	Member, Editorial Board, <u>Transplantation</u>
1999	Member, T Cell Depletion Data Safety /Monitoring Board, National Heart Lung Blood Institute
2000	Member, Expert Panel, New approaches to Induction of Tolerance, National Institute of Allergy and Infectious Disease
1998	Member, Intramural Advisory Board, National Cancer Institute
1999	Member, Protocol Review and Monitoring Committee, National Cancer Institute
2000	Member, Promotion and Tenure Review Panel, National Cancer Institute
2002	Member (ad hoc), Experimental Therapeutics II Study Section, National Institutes of Health
2002	Member, Immunology Faculty, Center for Cancer Research, National Cancer Institute
2003	Member, National Institutes of Health Central Tenure Committee
2003	Member, Clinical Executive Committee, Center for Cancer Research, National Cancer Institute
2003	Member, Steering Committee for Vaccine Working Group, Center for Cancer for Research Center, National Cancer Institute
2005	Member, Center for Cancer Research Advisory Board, National Cancer Institute
2005	Member, Steering Committee for the Center for Excellence in Immunology, Center for Cancer research Advisory Board, National Cancer Institute
2009	Chair, CCR Advisory Committee on Protocol Scientific Review
2009	Chair, CTN DSMB B

Honors:

1968-72	President's Scholarship, Creighton University
1972	Graduated <u>Summa Cum Laude</u> , Creighton University
1974	Membership, Alpha Omega Alpha Honorary Society
1975	Alumni Scholarship, Baylor College of Medicine, Graduated with honor, Baylor College of Medicine
1977	The Daniel Baker, Jr. medical House Staff Memorial Award, The Johns Hopkins Hospital, Baltimore, MD (the "Most Outstanding house Officer" on the Osler Medical Service)
1978	Medical School Student Award for Excellence in Teaching, The Johns Hopkins Hospital, Baltimore, Maryland
1987	Public Health Service Medal of Commendation for "Outstanding Scientific and Leadership Abilities in the Development of a Bone Marrow Transplantation Program"
1991	Election to the American Society for Clinical Investigation
1992	Visiting Professor, Chiba University, Chiba, Japan
1994	National Cancer Institute Award for development of new monoclonal antibodies for clinical use
1998	Public Health Service Medal of Commendation
1999	Plenary Speaker, European Bone Marrow Transplantation Meeting, Vienna, Austria
2001	Visiting Professor, University of Tromso, Tromso, Norway
2002	Plenary Speaker, British Society of Hematology, Glasgow, Scotland
2002	NCI Director's Award of Merit
2002	NIH Director's Award, "In recognition of leadership in medical oncology"
2009	NIH Director's Award for Excellence in Mentoring
2010	NCI Director's Team Award for Clinical Development of IL-7

B. Selected peer-reviewed publications (in chronological order).

Hiruma, K., Nakamura, H., Henkart, P.A., and Gress, R. E. Clonal Deletion of post-thymic T cells: Veto cells kill precursor cytotoxic T lymphocytes. J. Exp. Med 175:863-868, 1992.

Mackall, C.L., Granger, L., Sheard, M. A., Cepeda, R., and Gress, R.E. T cell regeneration after bone marrow transplantation: Differential CD45 isoform expression on thymic-derived versus thymic-independent progeny. Blood 82:2585-2594, 1993.

Mackall, C. M., Fleischer, T., Brown, M., Magrath, I., Wexler, L., Horowitz M., Andrich, M., Chne, C., Feurstein, I., and Gress, R.E., Age, Thymopoiesis, and CD4+ T lymphocyte regeneration following chemotherapy. N. Engl. J. Med. 332:143-149, 1995.

Mackall, C. M., Bare, C.V., Titus, J. A., Sharrow, S., Granger, L., and Gress, R.E., Thymic- Independent T cell regeneration occurs via antigen driven expansion of peripheral T cells resulting in a repertoire that is limited in diversity and prone to skewing. J. Immunol. 156:4609-4616, 1996.

Mackall, C. M., Fleischer, T. A., Brown, M. R., Andrich, M. P., Chen, C. C., Feuerstein, I. M., Magrath, I. T., Wexler, L. H., Demetrov, D., and Gress R. E., Distinctions between CD8+ and CD4+ T Cell regenerative pathways result in prolonged T cell subset imbalance after intensive chemotherapy. Blood 89:3700-3707, 1997.

Hakim, F. T., Cepeda, R., Kaimei, S., Mackall, C. L., McAtee, N., Zejewski, J., Cowan, K., and Gress, R. E., Limitations on CD4+ recovery post chemotherapy: Minimal new T cell generation and apoptosis in peripheral T cells. Blood 90:3789-3798, 1997.

Lucas, P. J., Kim, S. J., Melby, S., and Gress, R. E. Disruption of T cell homeostasis in mice expressing a T cell specific dominant negative TGF-beta II receptor. J. Exp. Med. 191:1187-1196, 2000.

Bishop, M. R., Fowler, D. H., Marchigiani, D., Castro, K. Kasten-Sportes, C., Steinberg, S. M., Gea-Banacloche, J. C., Dean, R., Chow, C. K., Carter, C., Read, E. J., and Gress, R. Allogeneic lymphocytes induce tumor regression of advanced metastatic breast cancer. J Clin Oncol 22:3886-3892, 2004.

Hakim, F. T., Memon, S. A., Cepeda, R., Jones, E. J., Chow, C. K., Vance, B. A., Christensen, B. L., Mackall, C. L., and Gress, R. E. Reactivation of thymopoiesis in adults following acute T cell loss: Recovery of CD4+ T cell number and repertoire diversity in a long term prospective study. J Clin Invest 115:930-939, 2005.

Claude Sportes¹, Frances T. Hakim¹, Sarfarz A. Memon¹, Hua Zhang², Kevin S. Chua², Margaret R. Brown⁴, Thomas A. Fleisher⁴, Michael C. Krumlauf¹, Rebecca R. Babb¹, Catherine K. Chow³, Terry J. Fry², Julie Engels⁵, Renaud Buffet⁵, Michel Morre⁵, Robert J. Amato⁶, David J. Venzon⁷, Robert Korngold⁸, Andrew Pecora⁸, Ronald E. Gress^{*1}, Crystal L. Mackall^{*2} Administration of rhIL-7 in humans increases in vivo TCR repertoire diversity by preferential expansion of naïve T cell subsets. *Shared senior authorship. J Exp Med 205:1701-1714, 2008.

Chu, Y., Schmitz, S., Choudhury, B., Telford, W., Kapoor, V., Garfield, S., Howe, D., and Gress, R. Exogenous insulin-like growth factor 1 enhances thymopoiesis predominantly through thymic epithelial cell expansion. Blood 112:2836-2846, 2008.

Williams, K.M., Lucas, P.J., Bare, C.V., Wang, J., Chu, Y., Tayler, E., Kapoor, V., and Gress, R.E. ETP immigration and thymic epithelial cell expansion regulate thymopoiesis after androgen withdrawal employing a CCL25 dependent mechanism. Blood 112:3255-3263, 2008.

Tomblyn, M., Chiller, T., Einsele, H., Gress, R., Sepkowitz, K., Storek, J., Wingard, J. R., Young, J-A.H., and Boeckh, M.S. Guidelines for Preventing Infectious Complications among Hematopoietic Cell Transplant Recipients: A Global Perspective. Recommendations of the Center for International Blood and Marrow Transplant Research (CIBMTR[®]), the National Marrow Donor Program (NMDP), the European Blood and Marrow Transplant Group (EBMT), the American Society of Blood and Marrow Transplantation (ASBMT), the Canadian Blood and Marrow Transplant Group (CBMTG), the Infectious Disease Society of America (IDSA), the Society for Healthcare Epidemiology of America (SHEA), the Association of Medical Microbiology and Infectious Diseases Canada (AMMI), the Centers for Disease Control and Prevention (CDC), and the Health Resources and Services Administration (HRSA). Jointly published in *Biology of Blood and Marrow Transplantation* 2009 Oct; 15 (10): 1143 – 1238; and *Bone Marrow Transplantation* 2009 Oct; 44 (8): part 2

Flomerfelt, F.A., El Kassar, N., Guruthan, C., Chua, K., League, S.C., Schmitz, S., Gershon, T.R., Kapoor, V., Yan, Xiao-Yan, Schwartz, R.H. and Gress, R.E. Tbeta modulates thymic stromal cell proliferation and thymus function. J Exp Med 207:2521-2532, 2010.